

AMENDMENTS TO THE CLAIMS

1. **(Currently Amended)** A recorder/reproducer, comprising:
- a content data moving unit operable to:
 - write a second content data that is reproducible into a second recording medium that is different from a first recording medium, the second content data being obtained by re-coding a first content data recorded in the first recording ~~medium;~~medium,
 - write a first partial information extracted from the first content data into the second recording ~~medium;~~medium, and
 - generate a first invalidated partial content corresponding to the extracted first partial information, and
 - insert the first invalidated partial content ~~make into~~ the first content data thereby making the first content data irreproducible, ~~using a first invalidated partial information corresponding to the extracted first partial information;~~
 - a memory device, the memory device being a non-transitory computer-readable recording medium; and
 - a content data restoration unit operable to make the ~~irreproducible~~ first content data recorded in the first recording medium ~~reproducible,~~ reproducible using the first partial information recorded in the second recording medium.
2. **(Currently Amended)** The recorder/reproducer according to Claim 1, further comprising
- a content data obtainment unit operable to:
 - accumulate the first content data;
 - generate the second content data from the first content data;
 - generate a second invalidated partial content based on the first partial information
 - extracted from the first content data, and
 - insert the second invalidated partial content into the second content data thereby ~~making~~ make the second content data irreproducible, ~~using a second invalidated partial information that is generated based on the first partial information extracted from the first content data,~~
 - wherein said content data moving unit, when writing the second content data into the second recording medium, is operable to make the ~~irreproducible~~ second content data

reproducible, using ~~a~~the second partial information corresponding to the first partial information extracted from the first content data.

3. (Currently Amended) The recorder/reproducer according to Claim 1,

wherein said content data moving unit is operable to generate the first invalidated partial information corresponding to the extracted first partial information, and to make the first content data irreproducible by replacing the first partial information included in the first content data ~~by~~ with the generated first invalidated partial information, and

said content data restoration unit is operable to make the first content data reproducible by replacing the first invalidated partial information included in the irreproducible first content data ~~by~~ with the first partial information recorded in the second recording medium.

4. (Currently Amended) The recorder/reproducer according to Claim 3,

wherein said content data moving unit is operable to write, into the second recording medium, the first partial information extracted from the first content data, before replacing the first partial information included in the first content data ~~by~~ with the generated first invalidated partial information.

5. (Currently Amended) The recorder/reproducer according to Claim 3,

wherein said content data moving unit is operable to replace the first partial information included in the first content data ~~by~~ with the generated first invalidated partial information, while writing, into the second recording medium, the second content data that is obtained by re-coding the first content data.

6. (Currently Amended) The recorder/reproducer according to Claim 2,

wherein said content data moving unit is operable to:

generate the second invalidated partial information corresponding to the extracted second partial information, and make the second content data irreproducible by replacing the second partial information included in the generated second content data ~~by~~ with the generated second invalidated partial information; and

when making the irreproducible second content data reproducible, generate the second

partial information corresponding to the extracted first partial information, and make the irreproducible second content data reproducible by replacing the second invalidated partial information included in the irreproducible second content data ~~by~~with the generated second partial information.

7. **(Currently Amended)** The recorder/reproducer according to Claim 3, wherein said content data moving unit is operable to replace the first partial information included in the first content data ~~by~~with the generated first invalidated partial information, while replacing the second invalidated partial information included in the irreproducible second content data ~~by~~with the generated second partial information.

8. **(Original)** The recorder/reproducer according to Claim 1, further comprising an accumulation unit operable to accumulate the first content data segmented into blocks, wherein said content data moving unit is operable to extract, from the blocks, a predetermined block as the first partial information.

9. **(Currently Amended)** The recorder/reproducer according to Claim 1, wherein said content data moving unit is operable to extract one of the following as the first partial information, in the case where the first content data is content data multiplexed as a transport stream of MPEG-2 Systems: (a) a part of data of a TS packet constituting the first content data; (b) a part of data of a PES packet included in a payload of a TS packet constituting the first content data; (c) a part of data of a TS packet including a non-reference frame, out of TS packets constituting the first content data; and (d) a part of data of a TS packet in which ~~“indicator”~~an indicator of a PES packet indicates ~~“1”~~the value of 1, the PES packet being included in the TS Packet constituting the first content data.

10. **(Original)** The recorder/reproducer according to Claim 1, wherein said content data moving unit is operable to extract, as the first partial information, a part of data of a PS packet constituting the first content data, in the case where the first content data is content data multiplexed as a program stream of MPEG-2 Systems.

11. **(Currently Amended)** The recorder/reproducer according to Claim 1,
wherein said content data moving unit is operable to extract one of the following as the first partial information, in the case where the first content data is content data that is coded in accordance with MP4: (a) a part of data of information indicating ~~“Sample Size Boxes”~~ a Sample Size Boxes included in the first content data; and (b) a part of data of information indicating ~~“Sample to Chunk Boxes”~~ a Sample to Chunk Boxes included in the first content data.

12. **(Currently Amended)** The recorder/reproducer according to Claim 1,
wherein said content data moving unit is operable to extract, as the first partial information, a part of data of information indicating ~~“Slice Header”~~ a Slice Header included in the first content data, in the case where the first content data is content data that is coded in accordance with MPEG-2Video.

13. **(Currently Amended)** The recorder/reproducer according to Claim 1,
wherein said content data moving unit is operable to extract one of the following as the first partial information, in the case where the first content data is content data that is coded in accordance with MPEG-4Video: (a) a part of data of information indicating ~~“Video Object Place Header”~~ a Video Object Place Header included in the first content data; and (b) a part of data of information indicating “Video Packet Header” included in the first content data.

14. **(Currently Amended)** The recorder/reproducer according to Claim 1,
wherein said content data moving unit is operable to extract, as the first partial information, a part of data of information indicating ~~“RTSPHeader”~~ an RTSPHeader included in the first content data, in the case where the first content data is content data that is coded in accordance with MPEG-4AVC(~~ITU-T H.264~~), ITU-T H.264.

15. **(Original)** The recorder/reproducer according to Claim 2, further comprising
an accumulation unit operable to accumulate the second content data segmented into blocks,

wherein said content data moving unit is operable to extract, from the blocks, a predetermined block as the second partial information.

16. **(Currently Amended)** The recorder/reproducer according to Claim 2,

wherein said content data moving unit is operable to extract one of the following as the second partial information, in the case where the second content data is content data multiplexed as a transport stream of MPEG-2 Systems: (a) a part of data of a TS packet constituting the second content data; (b) a part of data of a PES packet included in a payload of a TS packet constituting the second content data; (c) a part of data of a TS packet including a non-reference frame, out of TS packets constituting the second content data; and (d) a part of data of a TS packet in which ~~“indicator”~~an indicator of a PES packet indicates a value of 1-41, the PES packet being included in the TS Packet constituting the second content data.

17. **(Original)** The recorder/reproducer according to Claim 2,

wherein said content data moving unit is operable to extract, as the second partial information, a part of data of a PS packet constituting the second content data, in the case where the second content data is content data multiplexed as a program stream of MPEG-2 Systems.

18. **(Currently Amended)** The recorder/reproducer according to Claim 2,

wherein said content data moving unit is operable to extract one of the following as the second partial information, in the case where the second content data is content data that is coded in accordance with MP4: (a) a part of data of information indicating ~~“Sample Size Boxes”~~a Sample Size Boxes included in the second content data; and (b) a part of data of information indicating “Sample to Chunk Boxes” included in the second content data.

19. **(Currently Amended)** The recorder/reproducer according to Claim 2,

wherein said content data moving unit is operable to extract, as the second partial information, a part of data of information indicating ~~“Slice Header”~~a Slice Header included in the second content data, in the case where the second content data is content data that is coded in accordance with MPEG-2Video.

20. **(Currently Amended)** The recorder/reproducer according to Claim 2,

wherein said content data moving unit is operable to extract one of the following as the

second partial information, in the case where the second content data is content data that is coded in accordance with MPEG-4Video: (a) a part of data of information indicating a Video Object Place Header ~~“Video Object Place Header”~~ included in the second content data; and (b) a part of data of information indicating ~~“Video Packet Header”~~ a Video Packet Header included in the first content data.

21. **(Currently Amended)** The recorder/reproducer according to Claim 2,

wherein said content data moving unit is operable to extract, as the second partial information, a part of data of information indicating ~~“RTSPHeader”~~ an RTSPHeader included in the second content data, in the case where the second content data is content data that is coded in accordance with MPEG-4AVC ~~(ITU-T H.264)~~, ITU-T H.264.

22. **(Currently Amended)** A recording/reproduction method comprising:

a content data moving step of:

writing a second content data that is reproducible into a second recording medium that is different from a first recording medium, the second content data being obtained by re-coding a first content data recorded in the first recording ~~medium;~~ medium,

writing a first partial information extracted from the first content data into the second recording ~~medium;~~ medium,

generating a first invalidated partial content corresponding to the first partial information extracted from the first content data, and

inserting the first invalidated partial content into the first content data thereby making the first content data irreproducible; and

making the first content data irreproducible, using a first invalidated partial information corresponding to the extracted first partial information; and

a content data restoration step of making, using a content data restoration unit, the irreproducible first content data reproducible, recorded in the first recording medium reproducible using the first partial information recorded in the second recording medium.

23. **(Currently Amended)** A recording/reproduction program stored on a non-transitory computer-readable recording medium for causing a computer system to execute:

a ~~content~~~~content~~ data moving step of:

writing a second content data that is reproducible into a second recording medium that is different from a first recording medium, the second content data being obtained by re-coding a first content data recorded in the first recording ~~medium;~~medium,

writing a first partial information extracted from the first content data into the second recording ~~medium,~~ medium; and

generating a first invalidated partial content corresponding to the first partial information extracted from the first content data, and

inserting the first invalidated partial content into the first content data thereby making the first content data irreproducible; ~~using a first invalidated partial information corresponding to the extracted first partial information;~~ and

a content data restoration step of making the ~~irreproducible~~~~first content data~~ recorded in the first recording medium ~~reproducible,~~ reproducible using the first partial information recorded in the second recording medium.

24. (Currently Amended) A semiconductor device comprising:

a content data moving unit operable to:

write a second content data that is reproducible into a second recording medium that is different from a first recording medium, the second content data being obtained by re-coding a first content data recorded in the first recording ~~medium;~~medium,

write a first partial information extracted from the first content data into the second recording ~~medium;~~ and medium,

generate a first invalidated partial content corresponding to the extracted first partial information, and

insert the first invalidated partial content ~~make~~ into the first content data thereby making the first content data irreproducible; ~~using a first invalidated partial information corresponding to the extracted first partial information~~

a memory device, the memory device being a non-transitory computer-readable recording medium; and

a content data restoration unit operable to make the ~~irreproducible~~ first content data recorded in the first recording medium reproducible, reproducible using the first partial information recorded in the second recording medium.